Bluestem Boucher Style Banjo Plan

Scale / size: 1:1 39-1/2" X 26-1/2" printed border dimensions

Drawn by: Randy Cordle Date: January 2012

File: Bluestem Banjo Plan Boucher.dcd

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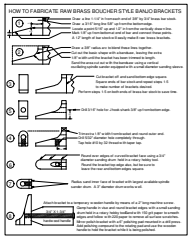
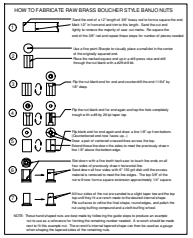
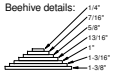
This instrument features a 26" scale 12" rim design with additional details shown for a alternate 24" scale neck and/or 11" rim if a smaller instrument is desired.

These are half size reproductions of the two pdf guides to making the bracket shoes and nuts
The full size versions are available on the CD or downloadable from the Bluestemstrings.com website.





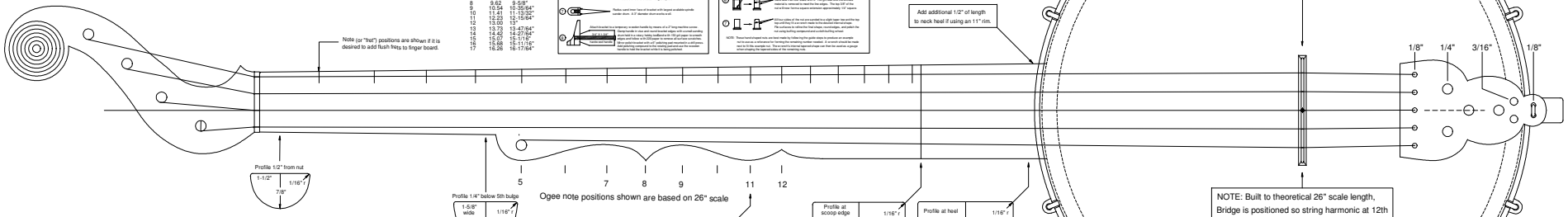
Beehive details:

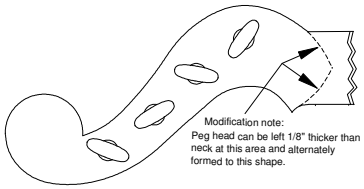


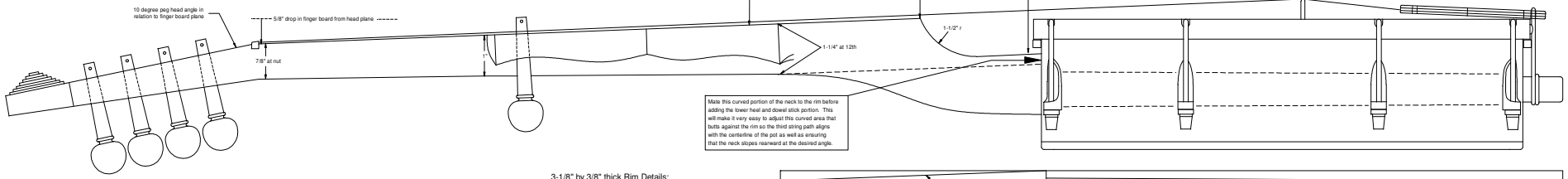
1/4"	1-3/8" diameter by by 7/16" tall, all layers 1/16" thick.
7/16"	Beehive finial can be lathe turned or alternately constructed from 7 individual 1/16" thick layers.
5/8"	Draw each segment to size on 1/16" thick wood and carefully cut them slightly larger than finished size.
13/16"	Drill a 1/16" hole in the centers of the lower six segments.
1"	Sand them to finished size using a small disc sander.
1-3/16"	They can be held with a 1/16" alignment pin on a small board to accurately sand each segment to size.
1-3/8"	Glue the lower six segments together using a 1/16" drill bit to hold them in alignment.

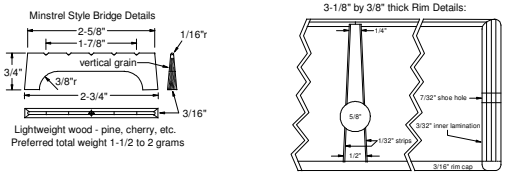
Scale Length: 26"

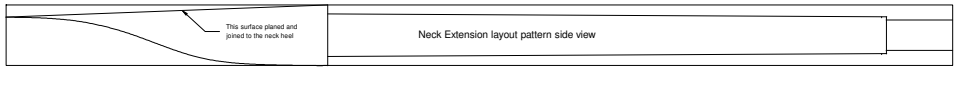
1	1.46	1-29/64"
2	2.84	2-27/32"
3	4.14	4-9/64"
4	5.36	5-23/64"
5	6.52	6-33/64"
6	7.62	7-39/64"
7	8.65	8-41/64"
8	9.63	9-39/64"
9	10.54	10-35/64"
10	11.41	11-13/32"
11	12.23	12-15/64"
12	13.00	13"
13	13.73	13-47/64"
14	14.42	14-27/64"
15	15.07	15-1/64"
16	15.68	15-17/64"
17	16.26	16-17/64"

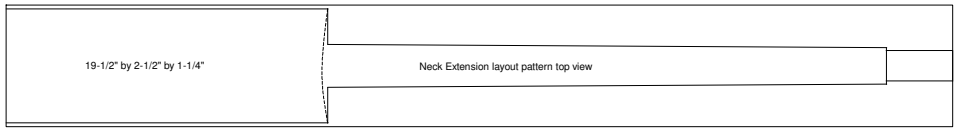

12-1/8" ID / 12-3/8" OD
1/8" by 1/2" brass
12" OD by 11-1/4" ID by 3-1/8"
Walnut laminated rim
Bridge located 1/2" rear of pot center
Add additional 1/2" of length
to neck heal if using an 11" rim.
1/8"
1/4"
3/16"
1/8"
Note (or "hat") positions are shown if it is
desired to add flush frets to finger board.
5
7
8
9
11
12
Ogee note positions shown are based on 26" scale
NOTE: Built to theoretical 26" scale length,
Bridge is positioned so string harmonic at 12th
note position on neck matches note produced
at the 12th note position of the neck ogee.
NOTE: Shown with 5/8" tall bridge.
The preferred way to change the
string height over the finger board
is to use a shorter or taller bridge.

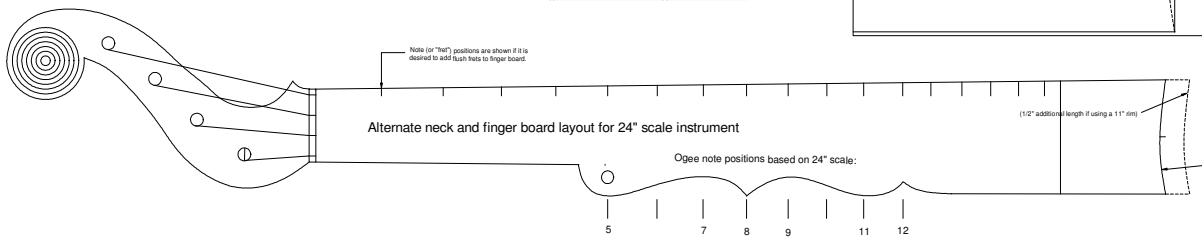











Note (or "hat") positions are shown if it is
desired to add flush frets to finger board.
Alternate neck and finger board layout for 24" scale instrument
(1/2" additional length if using a 11" rim)
Ogee note positions based on 24" scale:
5
7
8
9
11
12

1	1.35	1-11/32"
2	2.62	2-5/8"
3	3.82	3-13/16"
4	4.95	4-61/64"
5	6.02	6-1/64"
6	7.03	7-1/32"
7	7.98	7-63/64"
8	8.88	8-7/8"
9	9.73	9-47/64"
10	10.53	10-17/32"
11	11.29	11-9/32"
12	12.00	12"
13	12.67	12-43/64"
14	13.31	13-5/16"
15	13.91	13-29/32"
16	14.48	14-31/64"
17	15.01	15-1/64"